

AMENDMENTS TO THE CLAIMS

No amendments to the claims are presented in this Response. In accordance with the PTO's revised amendment format, a detailed listing of all claims has been provided. A status identifier is provided for each claim in a parenthetical expression following each claim number.

Claim History Summary:

Claims 1-31 were originally filed.

Claims 1-31 were rejected in the Office Action mailed December 30, 2003.

Claims 1, 8, 13, 18, 23 and 28 were amended in a Response of March 30, 2004.

Claims 32-39 were added in the Response of March 30, 2004.

Claims 1-39 were rejected in the Office Action mailed June 7, 2004.

Claim Summary of Present Response:

Claims 1-39 are pending.

Detailed Listing of All Claims 1-39:

- 1 (Previously amended). A storage medium attachable to a replaceable
5 component of an apparatus, the component serving one or more purposes
other than data storage and the storage medium operable using an
electromagnetic beam and comprising a hologram.
- 2 (Original). The storage medium of claim 1 wherein the storage medium
10 further comprises a laser writeable storage medium.
- 3 (Original). The storage medium of claim 1 wherein the hologram includes
a company logo.
- 15 4 (Original). The storage medium of claim 1 wherein the storage medium
comprises an adhesive for attachment to the component.
- 5 (Original). The storage medium of claim 1 wherein the storage medium
snap-fits to the component.
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- 6 (Original). The storage medium of claim 1 wherein the storage medium is
readable.
- 7 (Original). The storage medium of claim 1 wherein the storage medium is
25 writeable.
- 8 (Previously amended). A print cartridge comprising a storage medium
operable using an electromagnetic beam.
- 30 9 (Original). The cartridge of claim 8 wherein the storage medium
comprises a hologram.

10 (Original). The cartridge of claim 8 wherein the storage medium comprises indicia of authenticity.

11 (Original). The cartridge of claim 8 wherein the storage medium
5 comprises a laser writeable storage medium.

12 (Original). The cartridge of claim 8 wherein the cartridge comprises an ink jet printer cartridge.

10 13 (Previously amended). A system comprising a R/W device and a component that serves one or more purposes other than data storage, wherein the component includes a R/W storage medium that interfaces with the R/W device using an electromagnetic beam.

15 14 (Original). The system of claim 13 wherein the storage medium includes at least one of a hologram and a laser writeable storage medium.

15 (Original). The system of claim 13 wherein the system further comprises a manufacturing line, the manufacturing line including the R/W device.

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16 (Original). The system of claim 13 wherein the component includes a printer cartridge.

17 (Original). The system of claim 13 wherein the system further comprises
25 an image forming device, the image forming device configured to receive the component and including the R/W device.

18 (Previously amended). A method of reading data from a storage medium, the data stored to the storage medium through use of an
30 electromagnetic beam, the storage medium attached to a component that serves one or more purposes other than data storage, the method comprising:

emitting energy from a device positioned in proximity to the storage medium, wherein the device is at least one of readable and writeable; detecting energy reflected from the storage medium; and determining a bit value based on the detected energy.

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19 (Original). The method of claim 18 wherein the component is a printer cartridge.

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20 (Original). The method of claim 18 wherein the device is housed in a printer.

21 (Original). The method of claim 20 wherein the component is installed in the printer.

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22 (Original). The method of claim 18 wherein the emitting comprises laser emission.

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23 (Previously amended). A method of writing data to a storage medium attached to a component that serves one or more purposes other than data storage comprising:

instructing a device, wherein the device is at least one of readable and writeable; and

emitting energy from the device, the emitting based on the instructing and the device positioned in proximity to the storage medium.

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24 (Original). The method of claim 23 wherein the device is housed in a printer.

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25 (Original). The method of claim 23 wherein the component includes a printer cartridge.

26 (Original). The method of claim 23 wherein the emitting includes laser emission.

27 (Original). A printer comprising components, at least one of the
5 components having a laser storage medium attached thereto, wherein the storage medium is at least one of readable and writeable.

28 (Previously amended). A method of instructing an image forming device comprising:

10 installing a component that serves one or more purposes other than data storage in the image forming device, the component having a storage medium attached thereto, the storage medium comprising stored information, the information stored to the storage medium through use of an electromagnetic beam;

15 reading the stored information; and
instructing the image forming device based on the stored information.

29 (Original). The method of claim 28 wherein the component includes a printer cartridge.

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30 (Original). The method of claim 28 wherein the stored information indicates a characteristic of the component.

31 (Original). The method of claim 30 wherein the characteristic includes a
25 characteristic selected from at least one of age, use, prior use, compatibility, manufacturer, and fluid level of the component.

32. (Previously added). A replaceable print cartridge comprising a storage medium attached thereto, the storage medium responsive to being read by
30 an electromagnetic beam.

33. (Previously added). The replaceable print cartridge of claim 32 wherein the electromagnetic beam is a laser beam.

5 34 (Previously added). The replaceable print cartridge of claim 32 wherein the storage medium comprises a hologram.

35 (Previously added). The replaceable print cartridge of claim 32 wherein the storage medium comprises an adhesive for attachment to the replaceable print cartridge.

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36 (Previously added). The replaceable print cartridge of claim 32 wherein the storage medium snap-fits to the replaceable print cartridge.

15 37 (Previously added). The replaceable print cartridge of claim 32 wherein the storage medium comprises indicia of authenticity.

38 (Previously added). The replaceable print cartridge of claim 32 wherein the replaceable print cartridge comprises an ink jet printer cartridge.

20 39. (Previously added). The replaceable print cartridge of claim 38 wherein the storage medium includes information regarding operation of the ink jet print cartridge.